

NEWSLINE

Published weekly for employees of Lawrence Livermore National Laboratory

Friday, April 6, 2001

Vol. 26, No. 14

Science fair shows students' flair

By Elizabeth Campos Rajs

NEWSLINE STAFF WRITER

Three local teens, buoyed by their success at the Tri-Valley Science & Engineering Fair, are preparing to take their science projects to the Intel International Science & Engineering Fair next month, where they will compete against students from 40 countries.

David Sprehn, a ninth-grade home-schooled student in Livermore, won the senior sweepstakes award last week for his mathematics project, "Analysis of the Snake Game," and Emily Sweeney and Sadie Tierney, both seniors at Amador Valley High School, won the team category for their project, "Memory and Emotion: Is There A Gender Bias?"

For their efforts, they will each receive an all-expense paid week at the Intel international fair, which will be held in San Jose May 6-11 at the San Jose Convention Center. It opens to the public on May 10.

The three sweepstakes winners were among 257 students who competed in the Tri-Valley fair this year. Now in its fifth year, this was the largest fair yet in numbers of students, projects and schools. Because of space constraints, more than 70 applications were turned down and the fair was expanded to include 20 more projects than last year, said fair director Karen Kiernan.

"The quality of this year's fair was up substantially. The judges had a difficult time choosing the sweepstakes winners. There were at least a dozen nominations," she said. "The

See SCIENCE, page 5



JULIE KORHUMMEL/NEWSLINE



DON GONZALEZ/TID

David Finney, John Cromie and Rob Boyle (top) were among the 257 students who participated in the science fair. The trio did some of their work at the Lab. Above, director Karen Kiernan with senior winners Emily Sweeney, Sadie Tierney and David Sprehn.

Workers return after gas leak in Bldg. 511

Five employees have returned to work after a minor leak of an industrial chemical gas Wednesday afternoon sent them to Valley Care hospital for observation for possible chemical inhalation. They were released Wednesday evening.

The accident occurred at approximately 3 p.m. in Bldg. 511 (Shops area) when Lab workers working on a metal cylinder inadvertently released the gas. The workers immediately left the room and notified Laboratory Hazards Control personnel. Emergency responders evacuated the building as a precaution. Approximately 250 people were evacuated. There was no danger to other employees, the public or the environment.

"Laboratory emergency workers did a terrific

job of quickly responding and managing the incident," said George Campbell of the Safety and Security Directorate and the LLNL emergency duty officer. "It was a real team effort right down to the mutual aid support we received."

The building has reopened for business, with the exception of the room where the incident occurred. Lab investigators are conducting an investigation into the cause of the incident to try to determine how to prevent a similar incident in the future.

The gas, rhenium hexafluoride, is a corrosive acid that could cause lung damage if inhaled in sufficient quantity. The chemical is used in industries such as computer chip manufacture for vapor deposition of materials.

EUVL to mark milestone of prototype completion with televised celebration

A celebration marking the latest milestone in extreme ultraviolet lithography will air on Lab TV Channel 25 on Wednesday, April 11, 10-11 a.m.

The celebration takes place at Sandia Livermore and will include remarks by Gen. John Gordon, administrator of the National Nuclear Security Administration. Also included will be CEO Craig Barrett; Congresswoman Ellen Tauscher; Sunlin Chou, chairman of the EUVL Limited Liability Consortium; and Mim John, vice president of Sandia National Laboratories/ California.

The EUV Lithography Milestone Celebration marks the completion of the first full-scale prototype machine for inscribing computer chips using extreme ultraviolet (EUV) light. The EUV lithography technology is being designed to eventually replace the current chip lithography technique, which will reach its physical limit in another few years.

The EUVL project is a unique industry-government collaboration involving Sandia, Lawrence Livermore and Lawrence Berkeley National Laboratories, and industrial partners Intel, Motorola Inc., AMD Inc., Micron Technology Inc., Infineon Technologies and IBM.

Ombudsman Jeremy Wu returning to Laboratory to meet with employees

Jeremy Wu, the Department of Energy's national ombudsman, will return to the Laboratory for a town hall meeting at 3 p.m. Wednesday, April 11, in the Bldg. 123 auditorium. All employees are invited.

Wu will describe the latest efforts and observations of the Office of the National Ombudsman. As part of his two-day visit, Wu will also hold confidential group and/or individual meetings with employees. These meetings will be scheduled on Thursday, April 12, and will last approximately 30-45 minutes each.

For more information, or to schedule a meeting with Wu, contact Regina Neal, 202-586-2234 or regina.neal@hq.doe.gov, or leave a message at Wu's hotel the San Francisco Airport Marriott, 650-692-9100.

More on the National Ombudsman and a schedule of site visits are posted at <http://www.hr.doe.gov/ombuds/>



Jeremy Wu



LANL looks to Argus for security

— Page 3

DDLS
2001

Search for intelligence

— Page 8



New courses for U-Learn

— Insert



LAB COMMUNITY NEWS

Weekly Calendar

Technical Meeting Calendar, page 4

Monday
9

Is our climate stable? What are we doing that the climate system isn't? Michael Ghil, director of the Institute of Geophysics & Planetary Physics and a professor of atmospheric sciences at UCLA, will discuss **"Ice Ages and Global Warming,"** at 3 p.m. in Bldg. 661, room 7. The talk is part of the UC Davis seminar series sponsored by the Department of Applied Science and the Lab.

Wednesday
11

National ombudsman **Jeremy Wu** will return to the Laboratory for a town hall meeting at 3 p.m. in the Bldg. 123 auditorium. All employees are invited. Wu will describe the latest efforts and observations of the Office of the National Ombudsman.

Friday
13

All employees are invited to attend a noon **Easter celebration** in the Bldg. 543 auditorium. It features singing, testimonial and historian/character actor Jim Meek. This event is sponsored by the Bible Study Groups at LLNL. Contact: Harry Briley, 2-9238.



Space is still available in the **"Basic Investment Planning and Savings Workshop"** (PS8021) offered by the Benefits Office on April 17. This half-day workshop will provide participants with the necessary information to assess the risks and potential rewards associated with a wide range of investment choices. Cost for this workshop is \$45. To register, visit the Benefits Web page at <http://www.llnl.gov/jobs/benefits> or call the Training Center at 4-3849. Seating is limited.

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The **LLESA Cycletrons** will be conducting free bicycle inspections at the Earth Day Expo on Thursday, April 19, 11:15 a.m. to 1 p.m. Minor repairs and maintenance such as gear and brake adjustments, flat tires, cleaning and oiling the chain, adjusting riding position, etc. will be performed. You can bring in new tires/tubes and have them installed.

...

The **LLNL Retirees Travel Slide Group** will meet April 24 at 2 p.m. in the Livermore Library meeting room. Bob and Juanita Berlo will present "Glacier, Geysers and Goblins: National Parks of Idaho, Montana, Wyoming and the Dakotas."

...

Amigos Unidos is now taking orders for **tamales** prior to the annual Cinco de Mayo fiesta on Friday, May 4. Pre-order your tamales through April 27. They are \$13 for a dozen and \$7 for a half-dozen. All proceeds go to the Amigo Unidos scholarship fund. Cinco de Mayo lunch plates are also available for \$6.50. Contact: Yahel De La Cruz, 4-3507 for tamales, and Suzanne Cabral, 2-7889, for lunch orders.

Teaching the teachers



PHOTO COURTESY OF STEP

During this year's Science on Saturday lecture series, the Science & Technology Education Program added a series of four Great Explorations in Science and Math teacher workshops, which were held in the Lab Visitors Center auditorium following the Saturday lectures. Above, STEP's resident teacher, Liselle Clark (standing), meets with four of the 15 teachers who participated in the workshop.

IN MEMORIAM

Coralie Kahle

Coralie Seamons Kahle, a retired secretary, died of cancer March 19 in Reno. She was 56.

Kahle worked at the Lab for 27 years before retiring in 1996. During her tenure, she worked as a secretary in numerous departments including Personnel, Z Division, Radiochemistry, Plant Engineering/Facilities Operations, Nuclear Test, Nuclear Explosives Engineering Division, A Division, D Division, Nuclear Weapons Technologies, and Environmental Technologies.

Kahle was born in Blackfoot, Idaho, and moved with her mother to Sunol at an early age. After graduating from Amador High School in Pleasanton, she returned to Idaho and worked at the Atomic Energy Commission. In July 1969, she was hired on at the (then called) Lawrence Radiation Laboratory.

It was while she was working at the Laboratory that she met and later married her husband, Raymond Kahle.

In addition to her husband of 30 years, survivors include son Matthew, five brothers and a sister.

A memorial service will be held on Saturday, April 7, in Reno. A fund in Kahle's name has been established by the First Evangelical Free Church of Reno to assist with the last 18 months of her medical expenses.

In lieu of flowers, donations may be made payable to First Evangelical Free Church of Reno, 3195 Everett Drive, Reno, NV 89503. Please mark the check as "Para Fund."

Loreen Pelletier

Loreen Pelletier, a former executive secretary in X Division, died March 10 in Manteca. She was 44.

Born in 1956 in Culver City, Pelletier grew up in Florida. She returned to California in 1980 with her husband, Bud, so he could finish his education. Bud Pelletier is a photographer for Sandia Livermore.

Loreen Pelletier worked at the Lab for 12 years before leaving in 1996. Her husband said one of her proudest moments during her Lab career was an invitation to attend one of the Lab's last nuclear tests at the Nevada Test Site.

Pelletier enjoyed craftsmanship and putting together crafts shows. Her husband described her as a "compulsive crocheter. She could make anything for the house. She'd crochet you a new roof if you asked for it," he said fondly.

Loreen Pelletier also enjoyed gardening and tending to her three dogs.

Survivors include Bud, her husband of 22 years; a daughter, Evelyn; and a son, Dwayne.

Services were held at the Fry Family Chapel in Manteca.



**LLESA Brings You
Baseball
at Unbelievable Prices!
\$1 per ticket**

**Oakland A's
vs
New York Yankees**

Wednesday, May 16

7:05 p.m. game time

Seats at Plaza Level, Outfield

Limited seating, get your tickets early.
No exchanges or refunds allowed.

See <http://llesa/> for up-to-date list of tickets.

Purchase tickets in the LLESA Offices
Bldg. 415, room 142, 2-9402, Monday - Friday, 10 a.m. to 4:30 p.m.

Newsline

Newsline is published weekly by the Internal Communications Department, Public Affairs Office, Lawrence Livermore National Laboratory (LLNL), for Laboratory employees and retirees.

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Distribution: Mail Services at LLNL

Public Affairs Office: L-797 (Trailer 6527), LLNL, P.O. Box 808, Livermore, CA 94551-0808

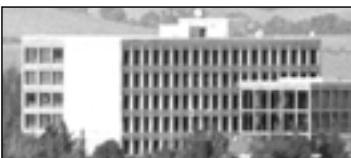
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Web site: <http://www.llnl.gov/PAO/Newsstand/internal-comm.html>



AROUND THE LAB



Lab shares security technology with Los Alamos

By Sheri Byrd

NEWSLINE STAFF WRITER

Despite the often-secret nature of missions of the national labs, it is no secret that they have faced numerous security issues in recent months.

In an effort to ensure the highest possible levels of physical security, Livermore Lab is now in the process of sharing its state-of-the-art Argus security system with its sister lab at Los Alamos.

“We are more than happy to share this technology with the nuclear community,” said Greg Davis, associate program leader for Security and Automation Technologies, the original designers of Argus.

Working with our sister laboratory does not reduce the formality of the relationship. “The performance of Livermore support to LANL is very specifically spelled out,” explained Dan Johnson, LLNL project leader of the Argus system for Los Alamos. “We have certain hardware and software performance measures for FY01 that are critical to get Argus fully installed at Los Alamos over the next four years. We have successfully met the first measure established for this year, with four more measures scheduled in the next few months.”



The state-of-the-art Argus security system.

TID

The importance of this project to the Department of Energy is shown by the fact that Argus, a relatively small project by Lab standards with an FY01 budget of \$8 million, is one of two line item projects identified in the new DOE/UC contract 48, appendix F. “There’s NIF, and Argus,” said Davis.

Like its namesake, the hundred-eyed monster of Greek mythology (and like J.K. Rowling’s Argus Filch), Argus is designed to see all, and provide ultimate protection for any facility with high-level security needs. The Argus system integrates numerous physical security aspects, many of which LLNL employees see daily, and many they often do not see. “From badging and door entries to the video, infrared and motion sensors, all aspects of Argus are controlled and monitored from one central alarm sta-

tion,” said Johnson. “Argus also features many built-in redundant systems that can take over in case of primary system failure for any reason.”

Argus has been in place here since its initial development in 1988. However, it is constantly renewed with current technology. It covers the entire Lab, including Site 300, providing protection for different areas with varying degrees of needed security. “Our physical security needs here can change by up to 25 percent per year,” explained Johnson. “Argus is a very flexible system, allowing new security alarm stations to go in, and old ones removed or updated, very efficiently and inexpensively.”

“Of course, the main user at Los Alamos will be the weapons program,” said Johnson. “As that program’s mission evolves, Argus can evolve with it to meet changing needs.” Los Alamos currently uses the BRASS system, developed in the mid-1980s.

“This project is going into effect with a real spirit of cooperation and collaboration between the labs,” said Davis.

For more information on the Argus security system, see the Website at <http://argus.llnl.gov>.

Laboratory Facilitated Dialogue Series hopes to demystify diversity

David Wellman, professor of community studies at UC Berkeley and a research sociologist at UC Santa Cruz, will “demystify diversity” when he speaks at the next installment in the Laboratory Facilitated Dialogue Series. Wellman’s presentation, titled “One Nation Under God or One Nation Under Qualified: Demystifying Diversity,” will be presented at 10:30 a.m. Tuesday, April 24, in the Bldg. 123 auditorium. All employees are invited.

Breakout “dialogue” sessions will be held in various meeting rooms immediately following the presentation. The dialogue session will be held 11:30 a.m. to 1 p.m.; lunch will be served.

While America has always been a diverse society, Wellman believes we are “finally beginning to recognize our diversity and to realize that we haven’t been doing a very good job making our diversity work. Until recently, we have not had to make diversity work because we have been permitted to live with myths that allow us to ignore this serious question.

“Today’s globalizing world, however, will no longer permit us the luxury of these myths,” Wellman said. “If we are to survive as a nation, Americans need to learn how to become competent actors in a diverse world.”

Wellman’s talk will raise three questions:

What do we mean by “diversity?” Why must we pursue policies that promote and recognize diversity? How do we act effectively to make diversity work?

Wellman is author of “Portraits of White Racism,” “The Union Makes Us Strong: Radical Unionism on the San Francisco Waterfront,” and the co-author of “Whitewashing Race: The Logic of Colorblind Policies in a Color Conscious America.” Wellman received his master’s and doctorate in sociology from UC Berkeley. For more information on the talk, or to sign up for one of the dialogue sessions, contact Michele Cardenas, 3-2796.

INTERNAL TRANSFER OPPORTUNITIES

Requisition	Classification	Title	Organization
1873	126.1	Security administrator	Safeguards and Security Department
1825	153.2/3	Sr. management analyst	Audit & Oversight Department
1905	196	Executive staff member	Environmental Protection Department
1929	220	Post-doctoral researcher	Biology and Biotechnology Research Program
1955	220	Post-doctoral research staff member	Institute for Scientific Computing Research/CSG
1859	220	Post-doctoral research staff member	Information Science and Technology Program
1860	220	Post-doctoral research staff member	Information Science and Technology Program
1861	220	Post-doctoral research staff member	Information Science and Technology Program
1455	249	Electronics engineer	Defense Sciences Engineering Division
1921	249	Electronics engineer	Electronics Engineering Technologies Division
1496	249	Fire protection engineer	Hazards Control Department
1869	249	Mechanical engineer	Manufacturing and Materials Engineering Division
1894	270	Geophysicist/seismologist	Geophysics and Global Security Division
1901	270	Physicist/atmospheric scientist	Atmospheric Science Division
1820	270	Computational physicist	National Ignition Facility Project
1858	270	Physicist	Physics and Advanced Technologies/N Division
1862	270	Physicist	Information Science and Technology Program
1934	285	Computer scientist	Scientific Computing Applications Division
1968	285	Computer scientist	Computer Applications Sciences and Engineering
1885	334.1	Engineering design associate	Telecommunications Systems Department
1889	338.1/339.2	Space action team project coordinator	Chemistry and Materials Science Directorate/Operations
1684	371.2	Physical therapist	Health Services Department
1864	405.2	Administrative specialist II	Telecommunications Systems Department
1841	405.3	Administrative specialist III	NIF Programs/Laser Science & Technology
1916	405.3	Administrative specialist III	NIF Programs/Document Services Section
1866	405.3	Administrative specialist III	Telecommunications Systems Department
1919	405.4	Administrative specialist IV	Industrial Partnerships & Commercialization
1966	405.4	Administrative specialist IV	Analytical & Nuclear Chemistry Division
1802	405.4	Administrative specialist IV	Plant Engineering

More information on these postings, additional Lab job postings as well as positions at other UC sites and outside organizations is available through the World Wide Web. Go to the Lab’s internal home page, click on “Services,” then click on “Career Center.” Once there, scroll down to “Information and Resources,” where links to internal and external postings can be found.



NEWS YOU CAN USE



As a Lab employee. . .

you are responsible for knowing the protective action terminology that may be used in an emergency.

Familiarize yourself with these concepts:

Shelter

The Shelter-In-Place announcement means:

Shelter: Stay inside your building or go inside the nearest building.

Shut: Close doors and windows.

Listen: Listen for further instructions over the emergency paging system or Lab Emergency Radio 1610 AM. *Avoid using the telephone unless you have a life-threatening emergency.*

Evacuation

The Evacuation announcement means:

Secure classified material in a safe and expedient manner.

Exit the building per your building evacuation plan unless directed otherwise by the emergency announcement.

Report to the designated Assembly Point and wait for further instructions.

Call Emergency Preparedness 4-LLNL

LIBRARY LINE

New resources added to TID's Library

Two major electronic resources have been added to the TID Library's electronic collection: IEEE/IEE IEEExplore and Elsevier Science Direct.

How to access

Access to both sources is controlled via an IP address, so you do not need a password. However, you either must be on site or have access to VPN or OTS.

For information on offsite access, go to the Open LabNet Website at <https://www-oln.llnl.gov/>. From the Library's home page (<http://www-r.llnl.gov/tid/library/>), go to "Electronic Resources" and double-click on "Journals (Alphabetical)". Click on either of the two blue bars—IEEE or Elsevier—for the desired Website.

What's included

- IEEExplore — All IEEE journal articles, transactions, and standards are available as well as IEE proceedings. Articles dating back to 1988 are also available.
- ScienceDirect — All Elsevier journals to

which LLNL subscribes as well as articles included in the California Digital Library (CDL) are available. Additionally, LLNL has access to all available back issues.

How to navigate

• IEEExplore — To start, click on Journals & Magazines, Conference Proceedings, or Standards in the Table of Contents. You can search for articles by title, if known, or use the by author, basic, or advance feature in the search menu.

• ScienceDirect — To start, click on "group-wide login." You will be presented with several browsing options such as by alphabetical order, subscribed titles, subject, or by publisher. Browsing by alphabetical order is at the top of the page. Journal titles with a green icon indicate that LLNL has a subscription to the title and therefore has access to the full text articles.

Questions?

Call the Library's Reference Desk at extension 2-4922 or send an e-mail to library-reference@llnl.gov.

Technical Meeting Calendar

Friday
6

INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS

"Quasar-Illuminated Dust Reflection Nebulae," by

Kenneth Chambers, University of Hawaii. Noon, Bldg. 319, room 205 (open area). Contact: Joanna Allen, 3-0621.

GEOPHYSICS & GLOBAL SECURITY

"Large-Scale Discrete Finite Element Method in Geomechanics: Current State and Future Challenges," by Jamshid Ghaboussi, University of Illinois at Champaign-Urbana. 9:30 a.m., Trailer 1478, Franciscan Room. Contact Francois Heuze, 3-0363.

Monday
9

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"Numerical Simulations of Flows with Two Viscous Liquids," by Yuriko Renardy,

Virginia Polytechnic Institute and State University. 10 a.m., Bldg. 451, room 1025 (uncleared area). Contacts: Petri Fast, 4-2649, or Leslie Bills, 3-8927.

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH

"Textbook Multigrid Efficiency in Solution of Reynolds-Averaged Navier-Stokes Equations," by Boris Diskin, ICASE, NASA Langley. 2 p.m., Bldg. 451, room 1025 (uncleared area). Contacts: Jim Jones, 3-5194, or Leslie Bills, 3-8927. For more information, see <http://www.llnl.gov/casc/calendar.shtml>

HYDRODYNAMICS GROUP LEADER

"Plasma Effects on Reaction Rates, the Equation of State and the Origin of the Magnetic Field in the Universe: an Analytic and Numerical Study," by Merav Opher, UCLA. 4 p.m., Bldg. 219, room 238

(uncleared area). Contact: Bruce Remington, remington2@llnl.gov, 3-2712.

Tuesday
10

H DIVISION

"Molten Semiconductors : Semiconductor to Metal Transitions in IV-VI Compounds and in Selenium Under High Pressure," by

Jean-Yves Raty, National Fund for Scientific Research, Belgium. 10 a.m., Bldg. 319, room 205 (open area). Contacts: Giuila Galli, 3-4223, or Darlene Klein, 4-4844.

CENTER FOR GLOBAL SECURITY RESEARCH

"Supernovae Types, Star Formation, AGN and Interaction Between Galaxies," by Artashes Petrosian, Byurakan Astrophysical Observatory, Armenia. 10 a.m., Bldg. 132S, room 1784 (open area). Contact: Tami Alberto, 2-5969.

CENTER FOR NONDESTRUCTIVE CHARACTERIZATION

"An Evaluation of Sonic IR for NDS at Lawrence Livermore National Laboratory," by Wayne Miller, LLNL. 2 p.m., Bldg. 235, Gold Room. Contacts: Wayne Miller, 4-4472, or Sherene Goulart, 2-1923.

Wednesday
11

NAI

"Recent Work Experience and New Initiatives at the IAEA — Nuclear Energy Department," by Jor-Shan Choi, LLNL staff on assignment at IAEA. 10 a.m., Bldg. 132S, room 1784 (open area). Contacts: Karen Roland/Susan Uhlhorn, 2-2034, or Kate Gutierrez, 2-9184.

H DIVISION

"First Principles Simulation of Metal-Ceramic Interfaces," by Donald Siegel, University of Illinois. 10 a.m., Bldg. 319, room 205 (uncleared area). Contacts: Andrew Williamson, 2-8285, Darlene Klein, 4-4844.

Thursday
12

H DIVISION

"Development and Application of Electronic-Structure Methods, Old and New: From Distortions in MnO to Positron

Lifetimes in C₆₀," by John Pask, Naval Research Laboratory. 10 a.m. Bldg. 319, room 205 (open area). Contact: Andrew Williamson, 3-4223, or Darlene Klein, 4-4844.

Friday
13

H DIVISION

"Periodic Composites: Tailoring Thermal and Optical Properties," by John Albrecht, Naval Research Laboratory. 10 a.m., Bldg. 319, room 205 (uncleared area). Contacts: Andrew Williamson, 2-8285, or Darlene Klein, 4-4844.

MATERIALS SCIENCE & TECHNOLOGY

"Defect Mitigation in Mo/Si Multilayer-Coated Masks for EUV Lithography," by Paul Mirkarimi. 3:30 p.m., Bldg. 235, room 1090 (uncleared area). Coffee and cookies will be served at 3:20 p.m. Contact: Thomas E. Felter, 2-8012.

INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS

"Radio Pulsars as Stars," by Stephen Thorsett, University of California, Santa Cruz. Noon, Bldg. 319, room 205 (open area). Contact: Joanna Allen, 3-0621, or see <http://www.llnl.gov/urp/IGPP/SemCalendar/IGPPSemCal.html>

The deadline for the next Technical Meeting Calendar is noon, Wednesday, April 11.

Send your input to tmc-submit@llnl.gov. For information on electronic mail or the news-group llnl.meeting, contact the registrar at registrar@llnl.gov.

NEWS OF NOTE



SCIENCE

Continued from page 1

senior high participation was way up this year and we were thrilled."

Don Correll, who chairs the fair's Scientific Review Committee, said the Tri-Valley fair is providing opportunities for students to gain hands-on experience in science that didn't exist before.

"We're seeing students who are being challenged with the science fair in a way that they are challenged with after-school sports and music. You wouldn't just do sports and music in front of the chalkboard. You have to go out and participate," said Correll, head of the Lab's Science & Technology Education Program. "These students are participating in science. They are doing real science experiments. They see each other's science experiments and the bar gets raised."

This was not Sprehn's first trip to the awards circle. Three years ago he was the junior sweepstakes winner in his first year at the science fair. This year, Sprehn, 14, wrote a computer program to determine every possible way to win at a board game he invented.

"This year, I was really surprised," Sprehn said of winning the sweepstakes award. He plans to spend the next couple

of weeks working hard to make his poster bigger and easier to read at the Intel international fair.

Sweeney, 18, and Tierney, 17, also plan to modify their written materials before going to the international fair next month. For their project, they showed the same video clip to 24 classes of freshmen and sophomore students. But the same 10 facts were presented differently to measure if students remembered more when the facts were told in an emotional story versus a non-emotional one.

"We were really excited to win the sweepstakes award. We weren't expecting it," Sweeney said, adding that behavioral studies such as theirs haven't won the sweepstakes award at past fairs.

The Laboratory is one of the fair's organizing sponsors, along with the Blackhawk Museum, Chevron, Contra Costa Times, Tri Valley Business Council and Tri-Valley Community Fund.

As part of its sponsorship, the Laboratory contributes staff time, from fair director Karen Kiernan to the fair's administrative staff who come from the Engineering Directorate to the majority of scientific judges.

Chelle Clements of the Lab's B Division, has been a volunteer judge since the fair began.

"I'm a huge math and science education promoter. The Lab has supported me over the years and I believe you have to give back," she said.

Steve Azevedo, who works in the Lab's Electrical Engineering Technologies Division and is in his second year of judging, said he vol-



The projects at this year's fair covered a wide range of science and engineering in 13 disciplines, and varied from the effects of caffeine on fruitflies to measurements of the pH levels in soil to the effects of music on the quality of homework. Below left, Karen Kiernan with junior winners Elizabeth Hartwell and Chi Nguyen. The event was judged by 120 volunteers from the Lab, Air Force, Chlorox, Chevron and Sandia, among others.

PHOTOS BY DON GONZALEZ/TID

unteers because he enjoys talking about science with the kids who participate in the fair.

"It's fascinating to see what the kids come up with. I enjoy talking to them to encourage them to pursue careers in science," said Azevedo, who didn't have a chance to participate in science fairs as a kid. "There is outstanding stuff here."

He has volunteered to judge at the Intel fair next month in San Jose.

"It's nice it's in the area. I'm really curious to see what kind of projects there will be."

Ann Heywood, who has volunteered to judge for four years, said participating in the fair is a highlight of her year.

"It's really fun. It really makes you enthusiastic for future scientists," said Heywood, who works in NAI in the Russian program. "We're seeing a lot more kids who are in senior high who have been participating in the fair since junior high. They are staying in science."

The projects at this year's fair covered a wide

range of science and engineering in 13 disciplines, and varied from the effects of caffeine on fruitflies to measurements of the pH levels in soil to the effects of crude oil on a crab's respiratory rate.

There were two sweepstakes winners in the junior category: Elizabeth Hartwell of Our Savior Lutheran School, won for her project, "Do Crickets Hear Ultrasonic Sound?" and Chi Nguyen of Pine Valley Middle School, won for her project, "Horseplay With Horseradish." Nguyen also received the Discovery Young Scientist Challenge Award.

Both of the junior category winners will have the choice of a computer or an expense-paid week at NASA's Space Academy in Huntsville, Ala.

The Tri-Valley Science & Engineering Fair is an affiliate of the Intel International Science & Engineering Fair. The judging standards for the projects are those established by the Intel fair.





CLASSIFIED ADS

Check out the Employee Ads Web Services site at:
https://www.ais.llnl.gov/llnl_only/apps/newsline/ads

AUTO MO BILES

1990 - Oldsmobile Cutlass SupremeSL,4D Sedan,low mileage, one owner, dealer maintained, 22 MPG city driving. Asking \$4500. Kelly Blue Book \$4750. 925-462-5807

1989 - Jeep Wrangler, Lift and Chrome packages, new tires and seats, bikini and full top, alarm system, removable AM/FM cassette, \$6500/OBO 925-443-7480

1990 - Nissan Pathfinder clutch parts. New in box. Traded in vehicle, do not need parts anymore. Cost around \$300.00. Make offer. 209-835-5475

1995 - Mercury Sable, automatic, power steering, power windows, power locks, AC, tilt, AM/FM cassette, loaded, very clean, runs great. \$5290. 925-449-9005

1995 - Mazda MX6, 60K,35mpg,GREAT condition, clean, 5-speed, New tires, brakes and alignment,power everything, CC, AC, AM/FM cassette. Must see. \$6000 925-447-3133

1988 - Camaro, V8/305, AT, AC, cruise, 60K on engine, fairly new alternator/battery \$2950 925-447-8613

1985 - Mustang Limited Edition. New interior, completely service (lots of new). White with Red interior. \$7900 invested will take \$5000. 925-989-6299

1981 - Toyota Cressida, white station wagon, 175k miles, 5 new tires, maintenance records, \$995/B.O. 925-443-3106

1990 - Sunbird Blue Older car, quite a few miles runs well, looks used, clean inside, good local commuter. \$995 OBO 925-449-5510

1989 - Acura Legend L Coupe, V-6,A-T, 108K mi., dark grey, recent tires and brakes,garaged,records, major 90K mi. service, air bag, ABS. \$5,600. 925-455-1183

1999 - Porsche Boxter Conv, Wht/blk lthr, 5spd, 3800 mi, mint cond, 42K 650-522-8208

1989 - 1989 Oldsmobile Cutless, 4 door, A/C Cassette Player. Exterior Blue. 112K miles. 27-30 mpg. \$3,000 obo 209-835-1679

1993 - Ford Mustang LX HB, V4, 5 speed, green 94K miles, A/C, AM/FM/cassette, power accessories, CC, original owner, good condition, \$3,500/OBO. 925-373-0314

1985 - Rare Convertible, Toyota Supra Clean body, white w/black interior. Needs engine. 3K OBO 209-530-9422

1995 - Ford Explorer XLT, good condition, new tires, 72K miles, charcoal gray, \$12,500. 925-455-8158

1989 - Mustang Convertible 5.0, automatic. Boyd wheels, new top, 2 yr old transmission, needs engine and wiring work. \$1,000. 925-485-0495

1955 - DESOTO Fireflight Sportsman 2dr hardtop, Hemi motor, New interior, New tires, Could use paint, Runs great, Head turner, Collector car. Only \$6,000 209-832-8723

1999 - Ford Mustang GT, 5 speed, silver w/blk leather interior. Loaded w/extras, only 18K miles, transferrable warranty and maint. protection plan, \$17,900 925-462-7017

1997 - Ford-Contour-automatic

overdrive-power steering-brakes-windows-door locks-am&fm cass.-great mileage- excellent condition. 87,000 miles- \$5900. 209-836-0611

2001 - Mitsubishi Eclipse Spyder GT,Premium Package, 200hp V-6,silver w/black top,POWER EVERYTHING!Assume lease or make offer. Must sell! 209-602-5168

1997 - Ford Explorer XLT,2WD,5.0L,4-DR,PS, PW,PL,ABS, Alarm,AM-FM-CASS-CD Chgr, roof rack & more 925-454-8486

1965 - FORD Mustang K-code convertible matching numbers, awesome dependable driver-This car sold in 1989 for \$36k-on sale today \$25k 925-454-1969

1988 - GMC Van Camper Conversion, loaded, sport roof, seats six, sink, frig, pottie, awning, queen bed, 1-owner, 350V8, 160K, runs well, \$3500/BO 209-814-3111

1993 - Merc. cougar V6 88k. new tires, new lisence, exec.cond. 6,000 o.b.o. 925-373-1944

1997 - Chrysler LHS luxury car, V-6 auto, AC, AM/FM/CD, leather, excellent condition, 83K miles \$13,975 OBO 209-239-1065

2000 - VW Beetle GLS: Slvr/blk. 25k hwy miles. Pwr moonroof/drs/wndws, alloy wheels, 6 CD changer. ~30 MPG. Perfect but must sell! \$17,500. 510-836-2920

2000 - Ford Contour S.E. Sport, like new, 4 door, 5 passenger, 5k miles with balance of 3 year warranty asking \$14,500 925-606-9847

1970 - Ford Ranchero, 302 V8, dual exhaust, AT, PS, shop manuals and other goodies, super clean, \$6000 OBO 925-455-8238

1993 - Jeep Grand Cherokee Limited, V8, 4 wheel drive, leather, fully loaded. Excellent condition, very clean, 125K miles. \$9,750. 925-520-1716

1994 - Ford Probe GT, V-6, 5 speed, 60K serviced, new tires, \$7,600 925-858-5184

1977 - White Dodge Van, Tradesman 200. Body is in good condition. No cracked glass. Custom rims. Sell as is for parts.Call for details. \$500.00 O.B.O 209-832-2865

1991 - Acura Legend 4dr sedan all pwr,pearl white, all receipts from new.118,000 mi, \$10,750 or b.o. 925-443-4848

1988 - BMW 735i in excellent condition, bronzit, leather, automatic, A/C, 130,000 miles, well maintained. Asking \$6K. 925-846-1459

1993 - Eagle Vision, 4dr, White, 96K miles, New wheels/tires, A/C and Pwr options, \$4900/obo 925-837-6015

1999 - Acura CL 3.0 A/T, CD, Leather,1 Owner Excellent cond. To much to list. \$21,500.00 209-549-9755 cell 209-604-4663. 209-549-9755

1972 - Datsun 510 2-dr sedan, manual transmission, 1600cc engine, good condition 925-449-7908

1983 - BMW-533i, 183K miles, 5-spd, Recaro seat, sheeps, clean. Good condition and Very reliable; \$5,000/obo. 925-484-0871

1995 - eddie bauer 4x4 fully loaded 110,000 highway miles clean car runs well phone and 6

disc cd player forest green and tan.\$14,000 209-858-5876

1996 - White Dodge Neon 2Dr Sport Coupe, 5 spd, CD/Radio, Great sound system, AC, Spoiler, Tinted windows, Great condition, less then 60K miles. \$6,900 OBO 925-443-4610

1993 - Toyota Tercel, 4-door, A/T, tinted windows, car alarm, 123K miles, great condition, \$3750 OBO, 925-449-7172

AUTOMOBILE ACCESSORIES

New tire on rim/205X75X15/see -offer. 2 13 inc. mud/snow tires/see-offer rear window 84 mazda truck/see-offer 925-735-6002

New warn 8000lb winch. Low profile model with 100 foot cable. Has been mounted and removed from vehicle. \$650 209-368-4286

Tool box, cross bed black poly for full sized PU, with lock. \$20; tire chains for 31 x 10.50 SUV tires. \$10. 925-455-1183

BICYCLES

16 in. mountain bike. Like new. \$35/obo. 209-823-5085

20 in. grey BMX bike, \$75/B.O.; 16 in. red beginner bike, \$35/B.O. 925-443-3106

BMX Mongoose trick bike, 20-inch, great condition. \$75 OBO 209-823-0250

BOATS

1996 Cobia 188 sport Great Family boat, all the extras included. Less than 100 hrs. Excellent condion \$11,300. Call for details. 209-545-1932

1986 - 20ft Seaswirl Topaz, good condition with trailer, 350 Magnum MerCruiser, low hours. \$8500. 925-449-1606

16ft. Hobi-Cat catamaran with two masts and trailer. \$400. O.B.O. Call after 5:00 925-672-9827

95 Champion Fish & Ski 19ft 150 Evenrude low hours xlint cond. Too much to list. 925-625-2880

CAMERAS

MAMIYA 120 Camera/Extra Lens/See/Offer. New wedding photo albums and misc.photo stuff! 925-735-6002

ELECTRONIC EQUIPMENT

N64 game system+5games \$200; Pair hifi speakers \$50 925-736-7799

Stereo Speakers. Linear Phase Studio models, 125 watts rms with 3 drivers, tuned port. EXCELLENT condition. \$150 or B/O for pair 925-443-2245

Nakamichi stereo receiver, \$50. 510-531-5804

Powerbook 540c laptop computer. 20M ram, 300M HD, carry case, more. \$250. 925-443-8449

Mac 6116/60 CD, 24 mb, 500 mb HD, 15 in monitor, ZIP drive, modem, good for student, \$100 925-447-9114

Flatbed Scanner, Epson Perfection 600, 24-bit color, 600 dpi, 8.5 x 14 inches max; includes PC & Mac software, SCSI cable, SCSI interface (PC). \$70 925-447-6450

Handspring PDA, 8meg memory plus 8meg expansion mod. and

all hookukps. New. \$350. 925-989-6299

Sega Genesis game conole with 4 controllers and 23 games, \$65. 925-443-0766 925-443-0766

COMPUTER battery back-up-see/offer brother word processor/see/offer misc. computer parts,what do you need? 925-735-6002

GIVEAWAY

Upright piano; needs tuning; you haul. 925-846-3875

Two toilets available as a result of remodeling. Both are standard white type. Come pick them up. 925-961-1089

To the Lady who needs yarn to make afgans for the elderly, I would like to donate about 40 skeins. Please call me at home after 5:00pm. 925-443-6015

HOUSEHOLD

Modern solid walnut desk (\$125), Sony 17in TV (\$100), Electrostatic room airpurifier; \$95; Sears heavyduty sander (\$70) 925-736-7799

Entertainment Center, like new, holds TV, stereo, tapes, etc. \$75. 5 Drawer dresser. \$10 925-449-3489

Dining/Gaming table (red felt) with 4 burgundy velvet plush chairs, all solid oak, excellent cond., \$1000.00 obo 209-239-5685

5hp, BCS Rear Tine Tiller, \$1600 new, used twice \$800. McCulloch gas whip trimmer \$75 925-443-8449

Queen size bedroom set, two end tables, dresser, two poster-headboard, see to appreciate \$600 925-447-1619

Waterbed bookcase headboard. Dark wood. Mirrow in center. \$70.00 209-723-3195

Framed painting by local artist Norma Webb - 1980 Collier Canyon Scene 32x44 \$175, toaster oven \$20 925-447-8613

Flourescent light fixtures, 2 each, 3 feet x 6 inches, 2 bulbs. \$5.00 each. 925-449-4456

Large Armoire, 6ft by 7ft at tallest point, three sections, original mirror in center, 6 drawers.Beautiful in any room.\$2,500. 925-449-7751

Crown Upright Reed Organ, ca. 1910, very good condition, original finish, \$990/B.O. 925-443-3106

1/3 hp power rooter machine. Clear you own clogs like a pro! \$100 415-928-4469

Leather lift belt/see/offer- new pic in frame Elvis P. drapes/rods/2 new green beach chairs/offer 925-735-6002

Computer desk, in good condition, \$35. 925-373-0314

Freezer, 15 cu ft upright, \$50. GE gas dryer, \$50. Both in good working condition. 925-606-0850

FUTON - double bed size, excellent condition, removable/washable cover, mattress wrapped in plastic. \$60/obo 925-275-9434

Stroller, Sit-n-Stand LXIII, navy & green plaid, great condition, \$100. Black samsonite soft luggage, 2 bags & large garment, \$75. 925-294-9022

Beautiful, functional, solid oak roll-top desk. Excellent condition, clean, stunning for den or living room. D20inch, H45inch,

W54inch \$175obo 925-373-3146

Kenmore gas dryer, front loading. Good condition. \$50 925-243-0728

Oak dining room set: newly resurfaced round pedestal table, 4 chairs. Good condition. \$275 OBO. 925-484-4294

Turkish Carpet, approx. 11ft*14ft bought in Turkey and never walked on. Must see to appreciate. 1000.00 OBO,510-357-2342

Collectors Moving Sale: Oriental rugs, japanese prints, pottery, sterling, antiques. April 7, 9 to 5, 5670 Weaver Place off Skyline Blvd, Oakland. 510-531-5804

Refrigerator, Kenmore, 19 cu ft, almond color, approx 20 year old. In good shape and good working order. \$75 obo. 925-443-8270

Dark Oak entertainment center . Excellent condition \$300. 925-443-3467

Kenmore Microwave. Works Great. \$20. 925-443-3075

Upholstered swivel chair, mauve/rose, like new, \$75; cedar outdoor loveseat glider, \$55; mens brown leather jacket, removable lining, like new, \$95. 925-454-9291

Carpet Remnant-Karastan Keket off-white grid pattern, 9 feet 6 inches X 22 feet. Cost \$40/sq. yd. Sell for \$200. 925-443-6165

Portable GE washer w/sink attachment. 1 yr old. Excellent condition. Asking \$400. Call after 5:30pm or leave a message. 209-567-0727

Girls white desk and chest of drawers w/matching head & foot boards (4 pieces). Good condition. \$350/BO. After 5pm. 925-449-1294

Large, three section oak entertainment/storage unit,six by six and a half feet. Natural finish, very nice. \$500. 925-447-8313

Loveseat. Earthtones (tan, brown, rust, green). Good condition, \$100. 925-373-2549

Dining room set - glass table 42x72 with beveled edges, 4 fabric chairs. Email photo available. \$500 obo. 925-447-8845

Longaberger chair pads, Classic Blue. Cat. \$27+ tax/s&h. 10 available at \$20 ea. New & seldom used. 209-239-3116

Entertainment center w/casters, contemporary, oak finish, 60Wx48Hx20D, fits 25-in. TV, shelves for VCR/stereo, cupboards for videotapes. \$100.00 925-447-4352

Refrigerator - 25 cf Whirlpool Designer Style. Almond with 2 black doors. Water/ice. Excellent cond. \$800. 925-960-1512

Solid oak desk with 3 drawers and glass top. Chair included. \$70 925-449-8131

Futon, single, frame couch/bed, heavy cotton & softer pad. Arm chair, wood, green cushions. Rocking chair, wood. \$50-65 each. All great condition. 925-443-0743

Thomasville Cherrywood Dining table with pads to protect top, 6 matching high back chairs and buffet. asking \$1375.oo OBO 925-426-7495

CA King Select Comfort air bed. \$200 new, 1 yr old, asking \$1,000 OBO. Call after March 18th. 925-443-4349

Electric dryer works good but needs minor repair on door \$25. Washing machine needs repair FREE U-haul. 209-462-8077

Due to space limitations, *Newsline* may withhold ads that have already run. They will still appear on the Web.

See complete classified ad listings at
<https://www-ais.llnl.gov/newsline/ads/>

CLASSIFIED ADS



Dryer - Whirlpool gas, almond, \$90 925-443-5565

Dinnette set. Modern design. Smoked glass top with black metal frame. 4 black metal and vinyl chairs. 42x42 inches. Excellent condition. \$199 obo. 925-292-9378

Dining room set, Pecan, pedestel table/ 2 leaves, 8 chairs, buffet, china hutch, pads, \$800.00 Desk, large oak office, oak chair. \$275.00 925-828-2609

Dresser&Mirror w/9 drawers \$40;Double bed & frame \$100. Drafting Table \$40.Eves 925-828-6568

LOST & FOUND

Lost GTE cell phone on 03/28/01. 707-745-3072

MISCELLANEOUS

Society Garlic and Agapanthus(Lily of the Nile) \$2 ea, also Day Lily \$2 ea. 925-447-6192

Many unused Ortho pest control chemicals, dormant sprays BO, golf clubs set&bag \$45, large Legos set+boards (\$45), Sears heavyduty scroll saw (\$70) 925-736-7799

Trophies-softball,various sizes, namesplates removed. Great for special team member awards. Make offer. 209-833-1201

Antique and semi-antique oriental carpets and runners. Also, Chinese furniture, Japanese prints. Moving. 510-531-5804

Duofold doors, painted wood lattice, off-white, good condition, \$25/B.O./set. 925-443-3106

Cement mixer. Good old usable condition. \$40.00 OBO. Must be picked up in Livermore. Dave 925-449-5441

Blood pressure monitor, one step auto inflation, like new \$50, Samsonite 24 inch hardside suitcase (wineberry) \$35 925-447-8613

98 DEGREES & Baha Men - Floor Seats @ the Chronicle Pavilion May 6/01 ... Sec 1 Row EE. \$120 per ticket OBO. 925-447-1428

Tile, terrea-cotte, glazed, 8 inches square x 1 inch thick. 159 each. \$50.00 or BO, for the lot. 925-449-4456

Samsonite briefcase. Hardshell, 5 inches deep, black. Excellent condition. \$55 obo. 925-447-8845

Linoleum-new/white/beige for laundry or bath room/off offer. 11x14 coffee color rug/ideal for cabin or? 925-735-6002

1970S rock and roll records. Lots of variety!! Make offer! 925-455-8068

Banquet table, 30 inches by 8 ft, folding, sturdy, good condition, \$20 925-516-7524

Computer games, Command and Conquer series, never been played in original box w/ manuals. Set comes with 5 games, including Red Alert, \$20. 925-443-7817

Gas powered Craftsman lawn mower. Rear bagger with extra bag. Needs minor maintenance. \$20 925-447-1724

FIRE WOOD, almond,~1/4 cord. Cut, split, and seasoned (dry). Livermore. \$50.00 + you haul. 925-449-5667

Super comfy recliner, med blue, variable vibes, \$40; 2mahogany 3drwr nightstands, both \$40; 2drwr ltr file, casters, hangers, \$20. 925-455-0383

MOTORCYCLES

2000 - Harley Davidson: Gas tank, front and rear fenders from 2000 Heritage Softail Classic. Sinister blue; Excellent condition. \$575 925-443-4643

2000 - Kawasaki Drifter 800cc. New condition, hiway lights & engine guards. Fast,fun and turns alot of heads. 1946 Indian Chief replica. \$5800. 209-525-9313

1971 - 1971 Yamaha 360 2cycle Enduro. Clean low miles. \$500. New tires.Greg 209-239-2812 209-239-2812

1995 - KZ1000P, former CHP bike. Good shape, have two can only ride one. \$2000/obo. 925-989-6299

1990 - Honda Pacific Coast, 800 cc, red, excellent condition, 29K miles, incl manual, handbook, \$2900 925-516-7524

MUSIC INSTRUMENTS

Lab Dance Band (Swing Band) needs musicians; trumpet, trombone, sax players. Wednesday night rehearsals South Cafeteria. 925-443-2245

Ibanez AS-50 Semi Hollow Body Elec guitar, Hum. pickups,taper neck,Hardcase,tuner Peavey 112 TransTube Amp 65 watt Reverb. Used very little.\$700 OBO 925-516-1616

PETS & SUPPLIES

Fish tank & accessories, pump lights, perfect & great for kids \$25 or BO 925-736-7799

Bearded Dragon, Female? Approx. 3yr old. 50 gal. aquar., heat/light, food & water dish. All for \$250.00 209-523-8931

Youth-size English Saddle - Crosby Corinthian Close Contact, excellent condition, for child under 12. \$300. 925-426-0125

Free Dwarf Hamsters to good home! We have 5 four week old baby dwarf hamsters to give-away. 209-886-1883

Free Small dog, cream color, very good with kids, animals, people. Very happy animal. 209-530-9422

Rottweiler, male 6yr. old. active outside dog, obedience trained, needs attention. Happy friendly, excellent disposition. 925-462-4499

Loveable very friendly rescued dog needs a new home. Male German Shepherd/Greyhound mix. Wonderful with kids. Already fixed/current shots. 209-832-8541

Cocker Spaniel - blonde, beautiful & loving. Moving and cannot take with. Ideal for active family with children. Free to loving home. 209-477-5879

Persian cats, 3 years old, 1 male, 1 female, all shots. Must find a new home. 925-447-3677

Chocolate Lab needs home. Moving, can not take with. A terrific family pet. Top Notch Dog Training graduate. AKC reg., neutered, 4 yrs old. 209-543-8054

75 gallon aquarium on a stand, has a magnum 350 pump and is in excellent shape. Call Michelle

209-234-2314

LOST:Border Collie/AustShep mix, black body w/white/gray/dapple neck, feet & hind quarters Last seen 3/22/01 Tesla/Greenville/Crossroad area. 925-443-4943

RECREATION EQUIPMENT

1990 Holiday Rambler 30 foot, fully loaded \$22,500/obo 454 Chevy eng. 925-447-9179

Ab-diver outfit: wet suit for 5ft11in, booties, gloves, ab-irons, ab-gage, weight belt. Going to AZ. \$40. 925-455-0383

Youth Kelty Red Sleeping bag, polyester fill, used few times, very clean, \$40/B.O. 925-443-3106

20% Share in 1977 T-210. 2250hrs. NDH. King radios, Autopilot Hangared at LVK 925-443-8831

1996 Coachmen Mirada Class A Motorhome, 30ft. Excellent condition, low miles. \$36,500. 925-449-1606

RIDESHARING

Express your commute, call 2-RIDE for more information or visit the web site at <http://www-r.llnl.gov/tsmp/> for more information

Modesto - Space available on 14 passenger luxury vanpool, 8-4:30 schedule, \$110/month. 209-521-9047, ext. 2-5177

Turlock - WANTED: Vanpool or ride share from Turlock/Patterson area. 8:00-4:45 Contact Amy(me) if you have an open seat. 209-602-5168, ext. 2-9505

Modesto - Need a standby person to ride in vanpool. \$5.00/day. Ride available 95% of the time. Leave 6:40am/leave Lab 4:45 pm. 209-576-0217, ext. 2-7459

Martinez - Pleas. Hill-Driver/rider needed for existing carpool. Martinez or along 24/680 route to Lab, 7:45-4:30, non-smoker. 925-229-2240, ext. 3-5933

Ceres/Modesto - 14 psgr Enterprise luxury vanpool, 7:00-3:30, \$120/month 209-537-0229, ext. 3-6631

Milpitas - Ride/drive or share from Milpitas or along 680/84 route to Lab. reg. hours. 408-263-8822, ext. 2-8546

PATTERSON - Vanpool has 3 seats available in April. Work hours 7:30-4:00 209-892-2118, ext. 2-9502

SERVICES

Shiatsu Massage. Fully clothed, no oils. Balance your energy with lasting benefits. Licensed Professional Therapist, Tri-Valley area. 510-791-8623

SHARED HOUSING

Livermore - Female, 10x12 Furn/unfurn room. Cable, phone, Kitchen/Laundry. Pool/spa. N/S N/Pets \$600/M, 1/2 U & Dep. 925-454-8667

TO TRADE

Trade Mac IIsi with monitor and laser printer for a working PC. 510-538-7444

TRUCKS & TRAILERS

1984 - 84 Heritage Motor Home (31ft), low mileage 46K, new carpeting, shower, microwave, great buy--Estate Sale, \$20,000 or best offer 510-538-7770

1993 - Chevy 3/4T 4x4 136000mi,350,5sp,Loaded,green ,good condition \$9500.00 925-454-1749

1952 - Ford Pick-Up Parts - hood, fenders, speedometer, et al. Total estimate @ \$7,000. Will take biggest offer or will sell piece parts. 209-835-5475

1976 - Ford F-150 Pick-up. V8, PS, Lond bed, 4 speed gd.cond, runs great. 209-239-1676

1989 - Ford F-250 XL 4x4 Supercab, 7.3L Diesel, 5-speed, A/C, Cruise, AM/FM/Cassette, PwrPak exhaust, 4:10rear axle, camper-shell, 46,600 miles, \$8900 925-462-6527

1991 - Ford F150 4x4, PW, PB, PD, CD, CB, AT, AC. Bedliner, runs good, needs minor work, must sell! \$7000 OBO. 925-373-1534

1992 - 6-Cyl. 2.3 Liter, 5sp 2WD XLT w/AC/PS/ PW/PDL/ Tilt/cruise, AM/FM/cass, ABS, slide r-wind, shell/cap, cruise, tow Pkg and Alloy wheels 209-544-2236

1976 - Ford F-250 extended cab. Runs good \$1200.00 or B/O. 209-577-5805

1993 - Ford F150 XL - Great work truck, has box and rack. 163k miles. \$3,999. 925-516-3768

1978 - GMC, 35-value one-ton step van, 21 feet with inside shelving. \$3,000 925-462-7726

1985 - 26ft Honey, Chevy Motorhome, Super clean, 55k. Sleeps 6, AC, Hot water, Heat, Shower/Toilet. Class C licence. \$14K, ask for Fred 209-835-4214

VACATION RENTALS

Twain Harte - Fully furnished.2bdr 2full bath.TV, VCR, washer, dryer,microwave, dishwasher and more. Close to Pinecrest Lake.\$150wknd \$300week. 925-443-2808

SOUTH LAKE TAHOE - 3 Bedroom 2 Bath Chalet, nicely furnished, all amenities, close to all skiing,Hurry to Ski!!SPRING

RATES! Reserve Now for Summer! 209-599-4644

Kihei, Maui - 1, 2, & 3 Bedroom Oceanfront Condos w/all amenities. Gorgeous View, Large Pool, Tennis Courts, BBQ, Excellent Location. Low LLNL Rates. 925-846-8405

Soda Springs/Donner Summit, Classic rustic A frame, 2BR/1BA+Loft, slps 8, Walk to Royal Gorge, 5 min to Sugar Bowl \$250 wknd 209-836-3481

WANTED

I started my Swedish massage session in school and I need bodies to practice on in the TriValley area. Appointments fill fast. 510-791-8623

Golf Cart, gas, running or not.Reasonably Priced. 925-373-1089

Wanted, BMW motorcycle R75 or R90 any condition. 209-832-5506

Kayak - single, sit on top, like the Ocean Frenzy model. 209-521-9047

1955-1959 Chevy-GMC NAPCO 1/2T pickup or 1949-1957 Dodge Power Wagon 925-846-0645

Yellow jacket GENERIC formula for the attractant !! 925-735-6002

Wanted 45 RPM records (and some LPs) in good condition, mainly 50s and 60s. 925-454-9291

Wanted: Early 1990s Honda Accord LX dependable & reasonably priced. 925-516-1180

Wanted--Little Litton under the counter micro wave oven-in use-able condition-already have hanging apperatus. 925-447-0769

Jeep or Toyota Landcruiser in good running condition. 209-952-5305

Help needed with summer child-care in Oakland. Two kids, two months (June July), two days a week. Needs own car. 510-530-8368

Wanted : apartment/house for short term (May -- August) in Livermore or somewhere close to BART. 925-245-0717

Wanted a 5 hp Horz.Shaft gas engine running. 925-449-4262

Guidelines

Newsline is not responsible for any errors contained in the classified ads. It is up to the employee to proofread his or her ad to make sure it contains the correct data, including the phone number.

Employees are reminded that only car- and vanpool ads may contain Lab extensions. E-mail addresses are not allowed.

Due to space limitations, Newsline cannot run ads that are submitted in all capital letters. “Personals” ads are not permitted either.

Employees may submit one ad per category, but may not include the same ad in more than one category.

Ads may only be submitted through the Employee Ads Web Services site <https://www-ais.llnl.gov/newsline/ads/>



THE BACK PAGE

DDLS speaker explores ‘Intelligence for Tomorrow’

A changing world demands a different intelligence concept. Competitors know what we do, how we do it, and why we do it, and security problems have multiplied over the years.

“We must reinvent ourselves if we expect to gain access to our opponents’ secrets in the future,” says Richard Haver, vice president and director of Intelligence Programs for TRW’s Systems & Information Technology Group.

Haver will discuss “Intelligence for Tomorrow,” when he appears at the Lab at 3:30 p.m. Thursday, April 12, in the Bldg. 123 auditorium. Haver’s talk is part of the Director’s Distinguished Lecturer Series. All employees are invited.

Haver will elaborate on the components of a strong security program. He feels companies must be bold in structure reform and authority align-



Richard Haver

ment. They must be ready to accept operational and technical risk, even though it may not be cheap or easy. With partnership and creativity, Haver predicts a secure technological future.

As vice president and director for intelligence programs at TRW, Haver leads business development and marketing activities in the intelligence arena. He is responsible for strategic policy direction programs. Before joining



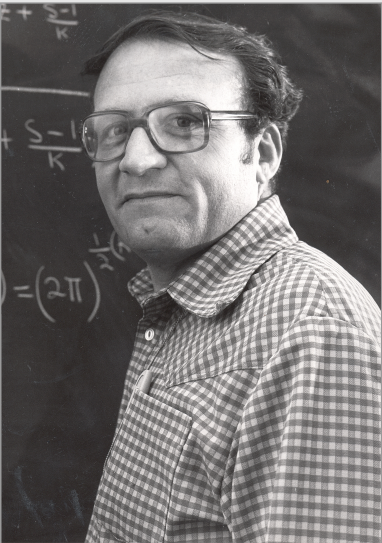
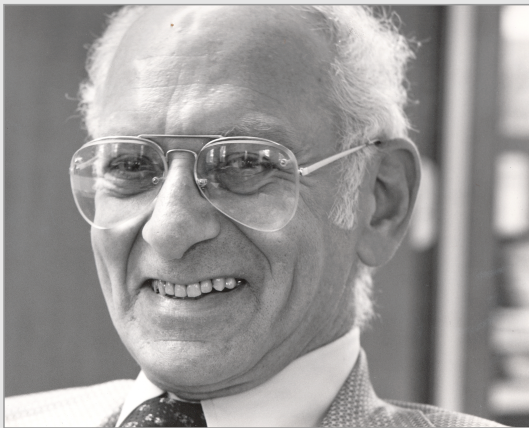
TRW, Haver served as a civilian employee of the Department of Defense. His most recent assignment was chief of staff of the National Intelligence Council and special adviser to the assistant director of central intelligence for analysis and production.

Haver is one of the most highly decorated civilians in the DoD. His medals and commendations include the Nielson Award from Naval Intelligence, the Department of Defense Distinguished Civilian Service Medal, the Central Intelligence Agency Distinguished Civilian Service Medal, and the Presidential Rank Distinguished Executive Award.

Director Bruce Tarter invites all employees to attend. The lecture will be broadcast on Lab Channel 2 Thursday, April 19, at 10 a.m., noon, 2, 4, and 8 p.m., and Friday, April 20, at 4 a.m.

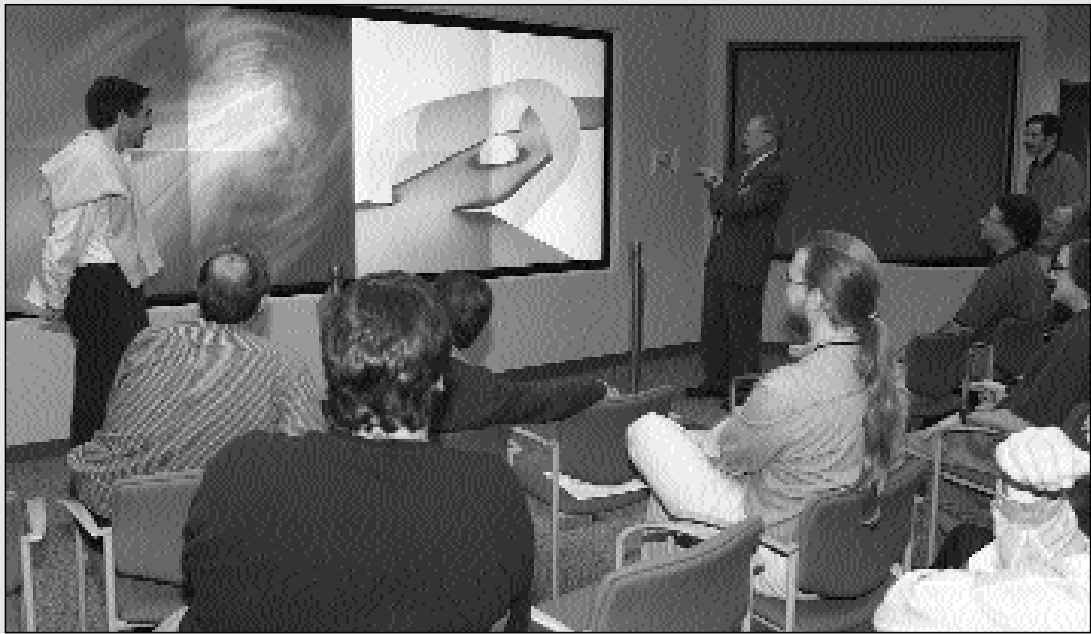


Do you know who we are?



Archives is asking for help. If you know who these people are, where they worked and the years they worked at the Laboratory, please call Beverly Bull at 3-2772 or e-mail bull4@llnl.gov

Open house opens eyes to Visualization Center



DON GONZALEZ/TID

The new Visualization Work Center in Bldg. 111, room 183, recently held an open house. The featured element was the power wall, which will be used to show scientific visualizations at resolutions up to 5120x2048 pixels.



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